

All COR ISO Recommendations

Latent Condition, Seismic and ISS

Friday, October 12, 2012 11:25:26 AM

Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Duc Date	Assigned To	Status
Latent Condition	700	Cracking	Butamer	2012	4-3	Is the communication capability between operators, and between operators and the control room or other necessary locations adequate during normal operations and emergencies?	All operators can clearly communicate between outside and control room. Emergency All Call speaker System. In s/d scenarios within the refinery, the repeaters are often overloaded and restrict operator ability to communicate plant situation.	Team discussed issue that radio system repeaters can become overloaded during high activity levels in the refinery (i.e. major shutdowns) and impair operators' ability to communicate operating plant issues. This problem occurred during the 2011 #4 Crude Unit Cluster turnaround.	Project Manger assigned: Bipin Sitaram	5/17/2013	Wildman, Stephen D.	In Progress
								The team is aware that a project to replace the radio system is on the Capital Budget program, but is not currently funded for 2012. Consider reprioritizing the project to replace the radio system and accelerate the project completion as much as reasonably possible consistent with good design and implementation practices.	September 2012 : Agree with the DE/DRB that this work indeed a project that can be executed.DRB to review and approve the ER that has been submitted for front end engineering.			
								Consider upgrading radio system to meet operating needs during high radio use activities in any and all ABUs.	September 2012 : Chevron Procurement can agree and confirm that Motorola are indeed the only vendor that can supply this equipment and we have a firm agreed to price for the purchase of the equipment. The engineering and construction schedule for this work would start September 2012 , complete and cut over new system by December 2013.			
Seismic	708	Cracking	Butamer	2012		YD/B P-480A	No anchor bolts at motor. Pic 1.	Engineer to evaluate and design retrofit if required	Hold down bolts installed on MP-480A per engineering recommendation on 8/1/2012	5/17/2013	Moore, Ronald A.	Completed
Seismic	709	Cracking	Butamer	2012		YD/B T-1821	West side pipe support: high nut on anchor bolt. Pic 2 and North side pipe support: missing U- bolt. Pic 3.	Tighten down nut on anchor bolt. Install new U-bolt. Maintenance action items, no engineering required.	Maximo WR has been generated to make the repairs as described above. The expected complete by date is set at 12/11/12	5/17/2013	Moore, Ronald A.	In Progress
Seismic	710	Cracking	Butamer	2012		YD/B V-466	Cracked fireproofing - possible saddle corrosion. Pic 4.	Maintenance to remove fireproofing where cracked and call Civil Engineer to observe exposed steel. Engineer to evaluate and design retrofit if required.	7/23/12 - Fireproofing removed, Engineer observed no significant corrosion, retrofit not required. Do not need UT readings. Restored fireproofing to original condition, painting of steel saddles not required.	5/17/2013	Moore, Ronald A.	Completed
Seismic	711	Cracking	Butamer	2012		YD/B E-403B	Steel column and anchor bolt possibly corroded due to lack of drain holes. Pic 5.	Maintenance to drill W' dia. drain holes per Engi neer's di rection and clean out rust for Civil Engineer's inspection.	E-403B no drainage: Per reco, structure grit blasted, drain holes drilled, coating applied. Item complete.	5/17/2013	Moore, Ronald A.	Completed

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Seismic	712	Cracking	Butamer	2012		YDIB E-496B	Bolt under saddle at SW corner is missing. Pic 6.	Maintenance to replace missing bolt to match existing.	Maximo WR has been generated to make the repairs as described above. The expected complete by date is set at 12/11/12	5/17/2013	Moore, Ronald A.	In Progress
Seismic	713	Cracking	Butamer	2012		ALKY GRU E-1227	Nuts on anchor bolts not fully engaged. Pic 7.	Maintenance to install new A325 bolts with sufficient length to fully engage nuts.	Maximo WR has been generated to make the repairs as described above. The expected complete by date is set at 11/27/12	5/17/2013	Moore, Ronald A.	In Progress
Seismic	714	Cracking	Butamer	2012		ALKY GRU V-1257	Supporting structure @ 3rd deck: two beams damaged at joint, fractured bottom flanges. Fireproofing damaged. Pics 8 & 9.	Engineer to evaluate and design retrofit if required.	Maximo WO was issued to strip area to inspect. Engineering has generated instructions and received approved city permit for construction. The expected complete by date is set at 3/3/13	5/17/2013	Moore, Ronald A.	In Progress
Seismic	715	Cracking	Butamer	2012		ALKY GRU E-1027	Anchor bolts are missing at three locations. Pic 10.	Maintenance to install new A325 bolts where bolts are missing.	Maximo WR has been generated to make the repairs as described above. The expected complete by date is set at 12/11/12	5/17/2013	Moore, Ronald A.	In Progress
Seismic	716	Cracking	Butamer	2012		ALKY GRU C-1220	Corrosion observed at base ring near multiple anchor bolts. Pic 11	Maintenance to clean out debris around anchor bolt bases and call Civil Engineer for detailed inspection.	C-1220 anchor bolts were grit blasted, inspected by civil engineering and new coating was applied to hold down bolts per engineering recommendations. Work completed on 6/18/12 per Maximo WO.	5/17/2013	Moore, Ronald A.	Completed